

# MOHAMED REDA IBRAHIM

Senior Frontend Engineer | Full-Stack Developer

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## PROFESSIONAL SUMMARY

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Senior Frontend Engineer with 4+ years of production experience building scalable, high-performance web applications. Expert in React, TypeScript, and modern component-based architectures. Proven track record of delivering clean, maintainable code in remote, distributed teams. Strong background in responsive design, state management, and performance optimization. Experienced in large-scale migrations and enterprise POS systems serving global clients. Passionate about building intuitive user interfaces for complex data-driven applications.

## PROFESSIONAL EXPERIENCE

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### **Senior Frontend Engineer, Loving Loyalty, Denmark | Jan 2025–Present**

- Led frontend development for enterprise Point of Sale (POS) system serving 800+ clients worldwide across multiple regions
- Architected and executed complete migration of legacy Vanilla JavaScript codebase to modern React, improving maintainability, performance, and developer experience
- Designed scalable component architecture to handle complex POS workflows including inventory management, transactions, and real-time reporting
- Implemented responsive interfaces optimized for various POS hardware and screen sizes
- Integrated Cordova for mobile features including Bluetooth payments and printing

### **Frontend Engineer, SaikoroTech | 2022–2024**

- Designed and developed responsive, high-quality frontend interfaces using React, TypeScript, and TailwindCSS for multinational educational platforms
- Built component-based architecture following best practices for scalability, reusability, and maintainability
- Refactored legacy and problematic code to improve code quality, performance, and team velocity
- Collaborated with cross-functional teams (designers, backend engineers, product) in remote, distributed environments with high autonomy
- Implemented state management solutions for complex application workflows and data flows
- Optimized frontend performance through code splitting, lazy loading, and efficient rendering strategies

### **E-Commerce Platform (Shoes Store) - Software Engineer**

- Led frontend development for a premium e-commerce shoes store platform serving customers in the UAE market
- Designed and implemented intuitive product catalog UI with advanced filtering, search, and sorting capabilities
- Built responsive shopping cart and checkout flows optimized for conversion and mobile-first user experience
- Integrated payment gateways and order management systems for seamless transaction processing
- Implemented product inventory management, size/color variants, and real-time stock updates
- Developed user account features including order history, wishlists, and address management

### **Freelance Full-Stack Developer, Self-Employed | Jan 2022 – Mar 2024**

- Developed responsive web applications using React and modern frontend tooling
- Built RESTful APIs and integrated backend services with frontend interfaces
- Worked independently on full-stack projects, managing requirements and delivery timelines

## EDUCATION

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**Master of Science, Computer Engineering** | Oct 2024 – In Progress

Arab Academy for Science, Technology & Maritime Transport (AASTMT)

**Bachelor of Engineering, Electrical & Communication Engineering** | Oct 2018 – Jan 2023

Higher Technological Institute, 10th of Ramadan | Grade: A+

## TECHNICAL SKILLS

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**Core Frontend:** React.js , TypeScript, JavaScript (ES6+), HTML5, CSS3, PHP

**Frameworks & Libraries:** Next.js, React Router, Redux, Context API, React Hooks

**UI/UX & Visualization:** Responsive Design, Component-Based Architecture, D3.js, Data Visualization

**State Management:** Redux, Context API, MobX, custom hooks

**Performance & Optimization:** Code splitting, Lazy loading, Memoization, Bundle optimization, Core Web Vitals

**Tools & Ecosystem:** Git/GitHub/GitLab, Webpack, npm/yarn

**Testing & Quality:** Unit testing, Integration testing, Code review practices, Documentation

**Backend-as-a-Service:** Firebase, REST APIs, GraphQL basics

**Soft Skills:** Remote collaboration, Code quality ownership, Mentoring, Problem-solving

## KEY PROJECTS

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**Enterprise POS System**—Spearheaded frontend modernization for a global Point of Sale system serving 800+ clients. Led complete migration from Vanilla JavaScript to React, implementing scalable architecture for complex retail workflows. Technologies: React, TypeScript, Redux, TailwindCSS.

**Gamification Platform for Educational Excellence**—Built an interactive frontend for a game-based learning platform serving multinational schools. Implemented engaging UI components for achievements, leaderboards, and progress tracking. Refactored legacy codebase, improving quality and team productivity. Technologies: React, TypeScript, Tailwind CSS, Redux.

**Real-Time Analytics Dashboard**—Developed a high-performance dashboard visualizing complex educational and engagement data. Implemented responsive design with interactive charts using Recharts. Optimized rendering for real-time data updates. Technologies: React, TypeScript, Recharts, TailwindCSS.

**Multi-Tenant Educational Platform**—Built a responsive, scalable frontend for platform supporting multiple schools and user types. Implemented component system and state management for complex workflows. Focused on accessibility and user experience across devices.

## CERTIFICATIONS & DEVELOPMENT

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- Machine Learning Engineer Nanodegree—Udacity
- Problem Solving (Intermediate Level)—HackerRank
- HCIA-AI (Huawei Certified ICT Associate - Artificial Intelligence)—Huawei

## LANGUAGES

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Arabic (C2) | English (B2)